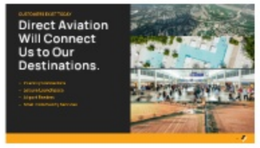
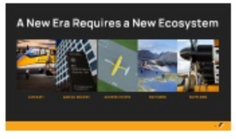
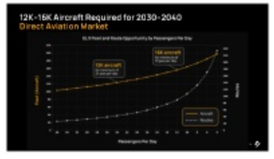
The Time is Now

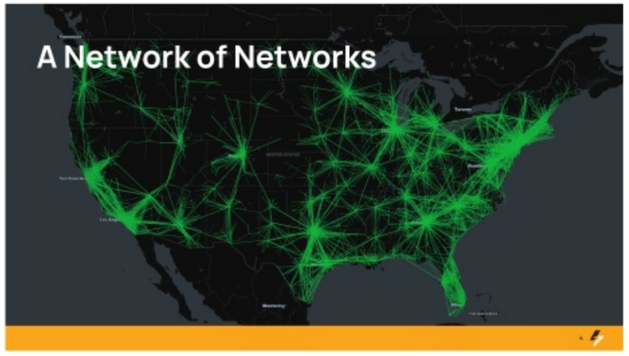


The Ecosystem



The Unlock



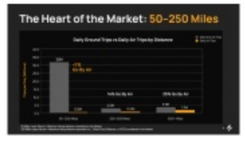


The Opportunity

Regional Mobility Gap

A New Era

The Heart of the Market

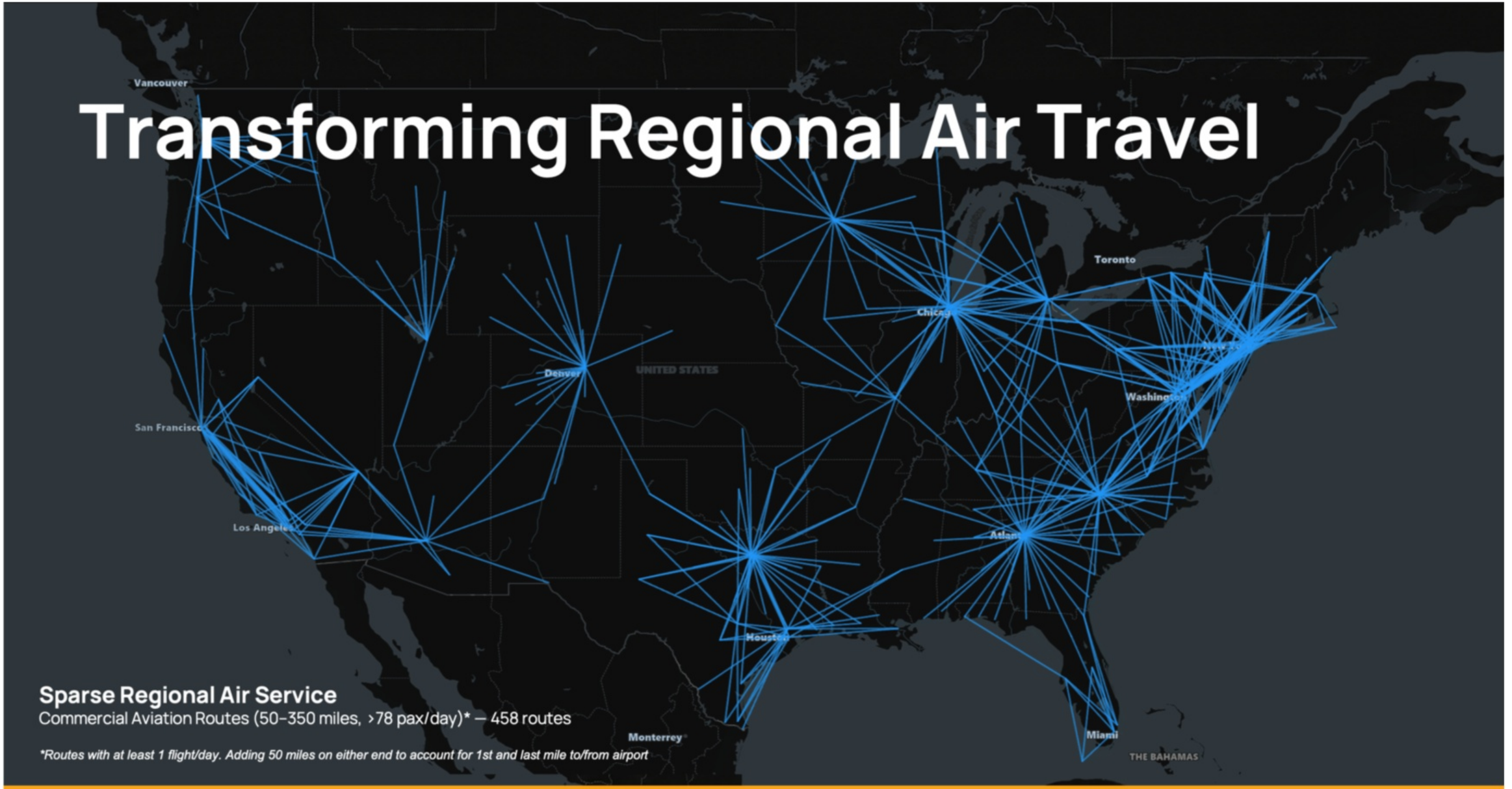


ELECTRA

Direct Aviation Market Outlook

ELECTRA

Transforming Regional Air Travel



Sparse Regional Air Service

Commercial Aviation Routes (50–350 miles, >78 pax/day)* — 458 routes

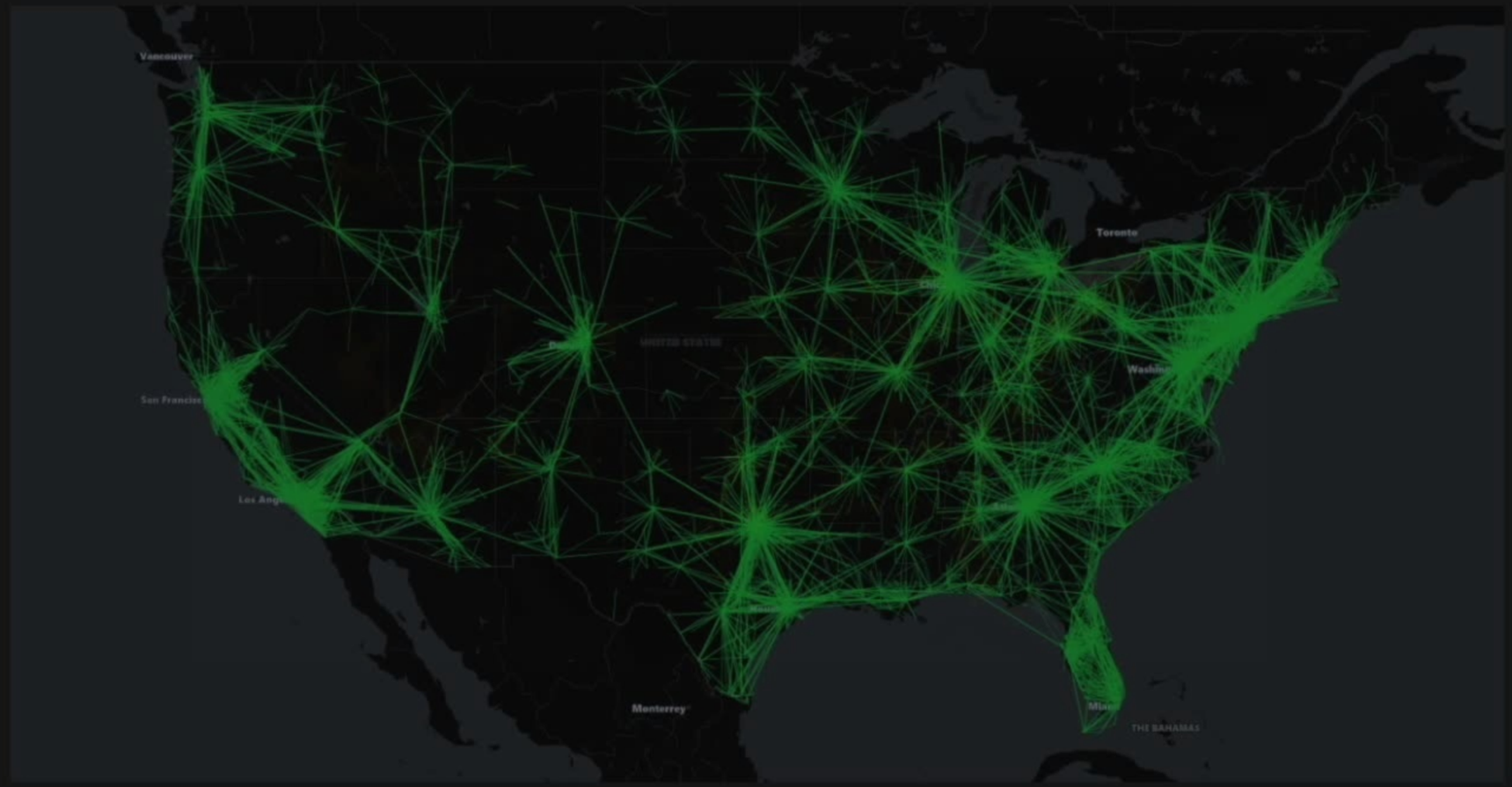
**Routes with at least 1 flight/day. Adding 50 miles on either end to account for 1st and last mile to/from airport*

Transforming Regional Air Travel

Direct Aviation

Ground Routes addressable by EL9 (50–250 miles, >1,000 pax/day) — 6,039 routes

A Network of Networks










Regional Travel Today

Electra has rigorously examined US regional travel patterns to identify the level of demand for Direct Aviation

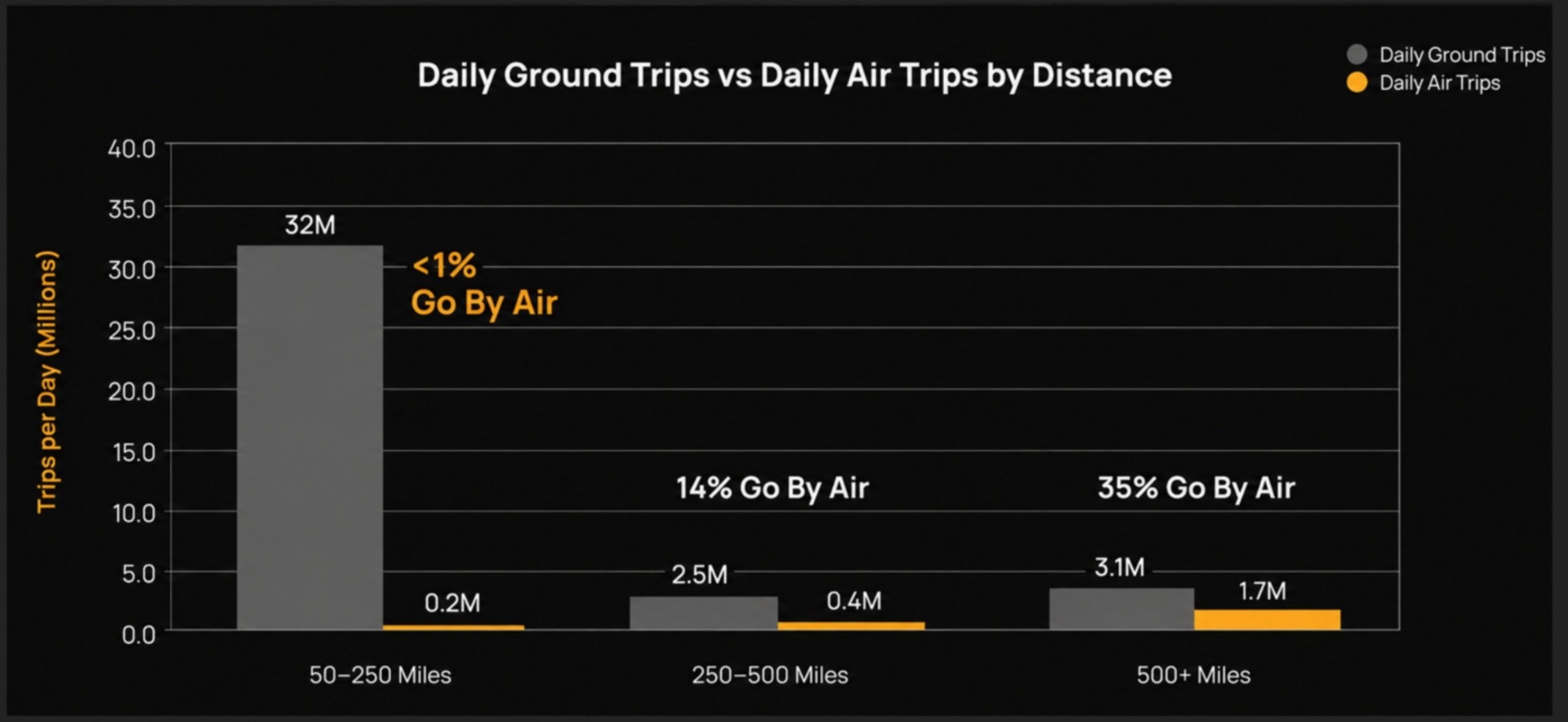
50–500-mile routes with >1,000 travelers per day (ground)

1.6T
estimated person-miles/yr (all routes)

35M+
estimated daily passenger trips (all routes)

6,249
routes w/ >1,000 travelers/day

The Heart of the Market: 50–250 Miles



50 Miles Lower Bound = Minimum driving distance considered in the Market
250 Miles Upper Bound = Maximum flying distance equivalent (i.e., Great Circle Distance, or GCD) considered in the Market

The Heart of the Market: 50–250 Miles

85%

of these routes lack air service within 40 miles of origin and/or destination

1.2T

estimated person-miles/yr (all routes)

32M+

Estimated daily passenger trips (all routes)

6,039

Routes w/ >1,000 travelers/day

Aviation Has Entered a

NEW ERA

The Unlock:
Direct Aviation

Direct Aviation means flying from where people are to where they want to go. It enables people to avoid long drives or connections at crowded airport hubs. It creates a mesh network of access points, freeing travelers from the tyranny of gridlock and airport chokepoints.

What enables it to scale?

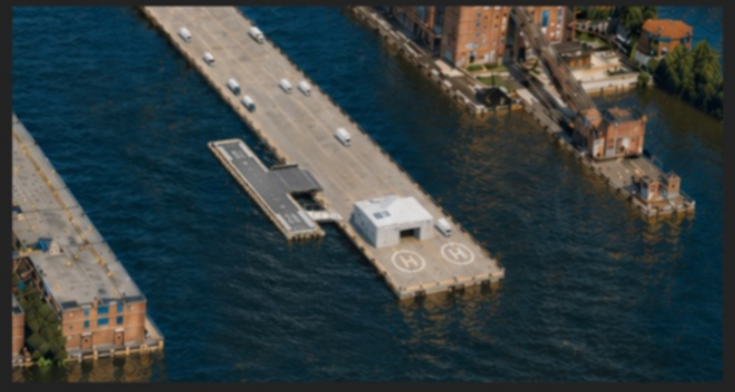
Direct Aviation becomes real when the Rule of Six is satisfied so service is commercially viable and community compatible.

Rule of Six

- Access & Quiet
- Payload & Range
- Safety & Affordability


ELECTRA

Novel Access Points



Pier-Based Ultra Short Access Point Plans

Remote Ultra Short Access Point

Elevated Ultra Short Access Point

Rooftop Ultra Short Access Point
in Urban Setting

Noise-Sensitive Airports, Such as Santa Monica

Feed Large Airport Hubs. Congestion-Free integration

The Ultra-Short Airplane
That Makes Direct Aviation Work.

Operational flexibility like a helicopter. Economics, safety, and simplicity of fixed-wing.

9 passengers
1 pilot + 2,700 lb payload

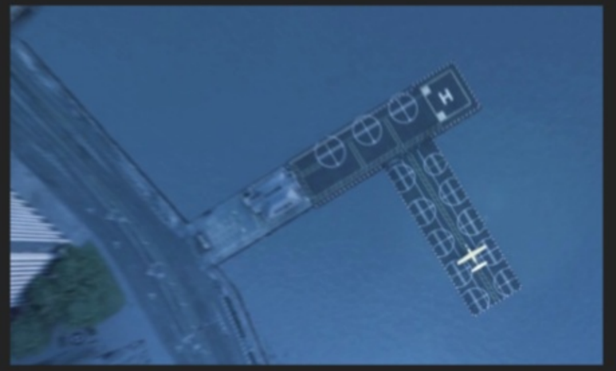
1,100 nm
max range (+ 45 min reserve)

175 KTAS
max cruise speed

<75 dba on takeoff (300 ft)
comparable to urban background

~150 ft
nominal takeoff and landing roll

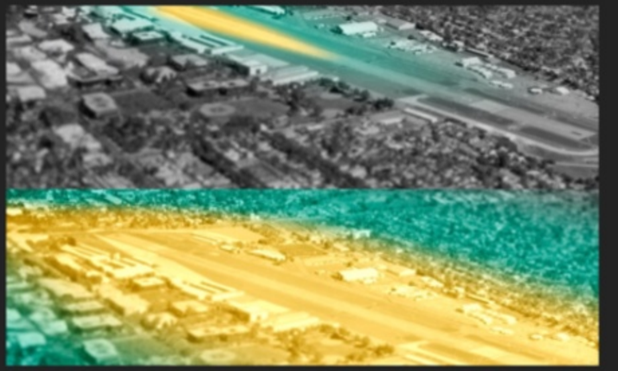
Innovation Allows Operations
Not Possible With Traditional Aircraft



01

Add Novel Access Points.

Helicopter-like convenience



02

Maximize GA Airports.

Good neighbor policy

03

Feed Large Airport Hubs.

Congestion-free integration

Significant Time Savings via Direct Aviation

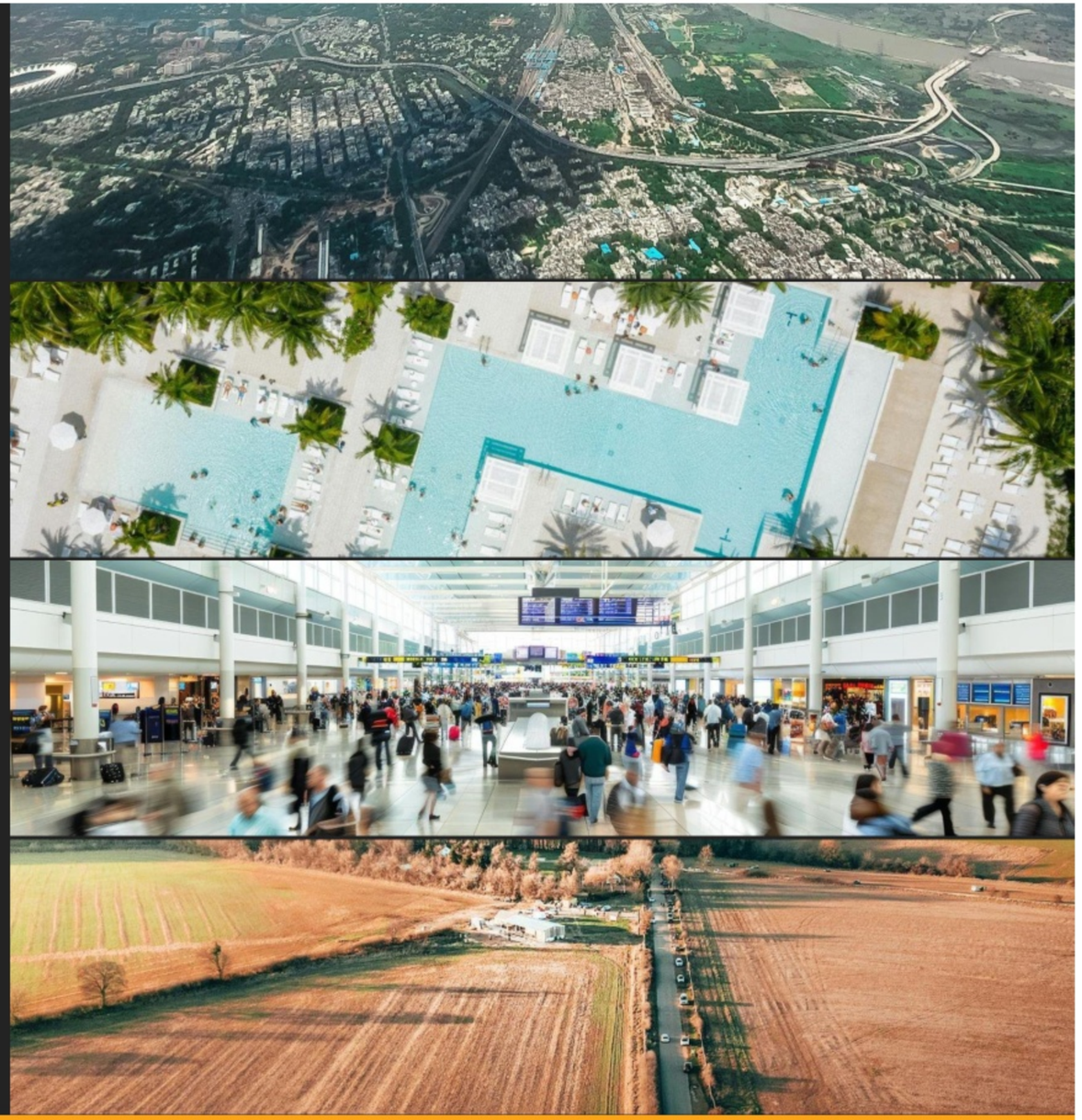
All data for >1,000 travelers per day, 50–250 miles

TIME SAVINGS	PERSON-MILES/YEAR	# DAILY PAX TRIPS	# ROUTES
> 1H	255B	4.8M	1,818
> 2H	91B	1.2M	507
> 3H	38B	0.5M	197

CUSTOMERS EXIST TODAY

Direct Aviation Will Connect Us to Our Destinations.

- Intercity Connectors
- Leisure Launchpads
- Airport Feeders
- Small Community Services



ROUTE OPTIONS

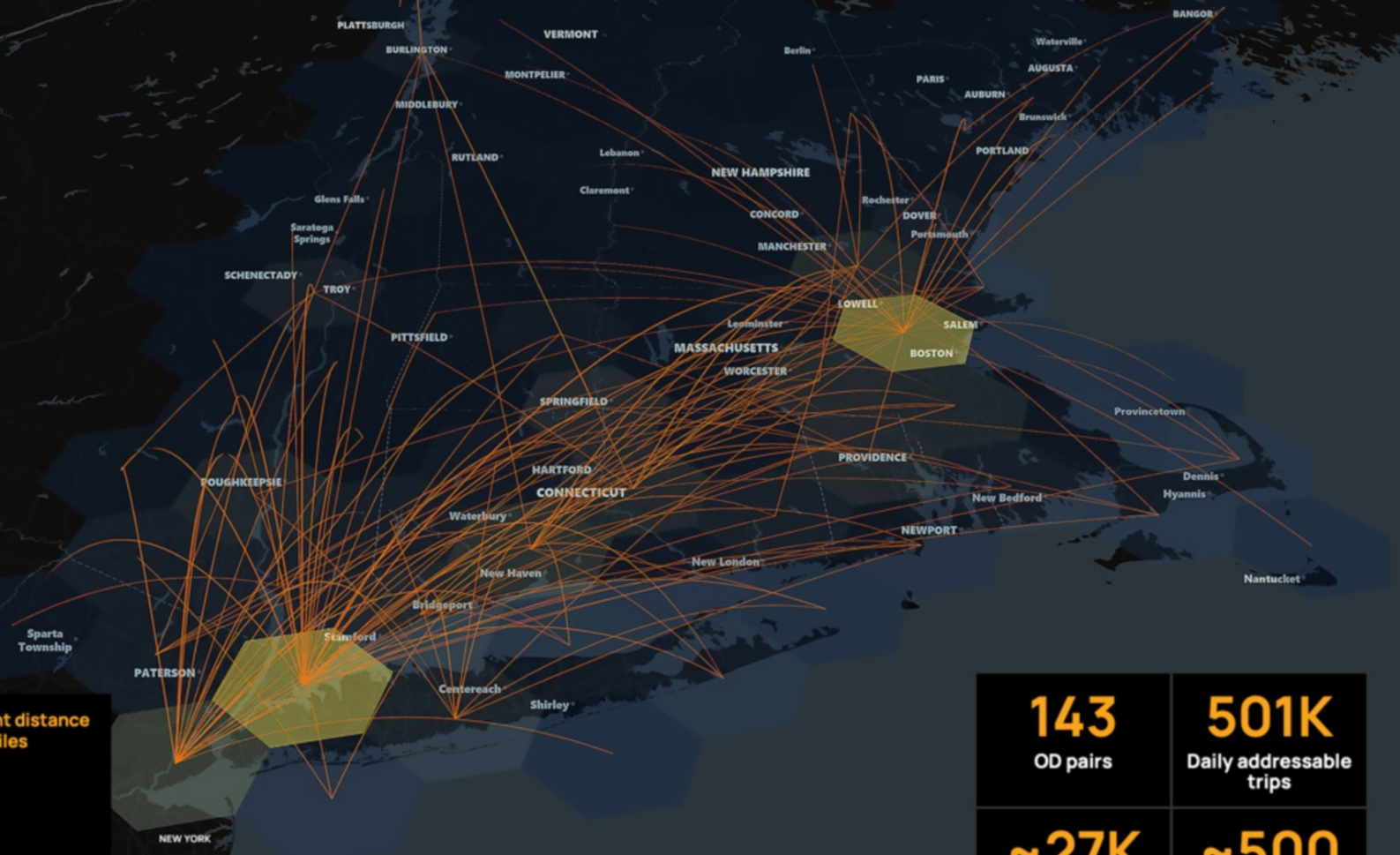
Intercity Connectors

Direct from urban center to urban center, avoiding slow, congested ground routes and busy airports

	DRIVE		COMMERCIAL AIR	
Routes	Time Savings	Daily Trips	Time Savings	Daily Trips
DC Area ↔ NYC	3h 30m	18,000	2h 40m	5,174
NYC ↔ Boston	1h 45m	17,200	2h 45m	6,490
Austin ↔ Houston	2h 00m	13,690	3h 10m	2,352
Orlando ↔ Miami	2h 30m	9,800	3h 00m	3,018
Memphis ↔ Nashville	1h 40m	9,350	2h 20m	144
DTLA/Pasadena ↔ San Diego	1h 30m	14,375	3h 30m	691
Austin ↔ Dallas	2h 15m	6,000	3h 00m	4,500

Northeast Corridor

NYC to Montauk, door to door, in **75 minutes**.



Route	# of trips	EL9 D2D travel time	Rush-hour time savings	Flight distance in miles
Boston ↔ NYC	22,391	1h 45m	1h 30m	180
NYC ↔ Montauk	3,741	1h 15m	1h 40m	100
New Haven ↔ Long Island	2,673	39m	2h 17m	29

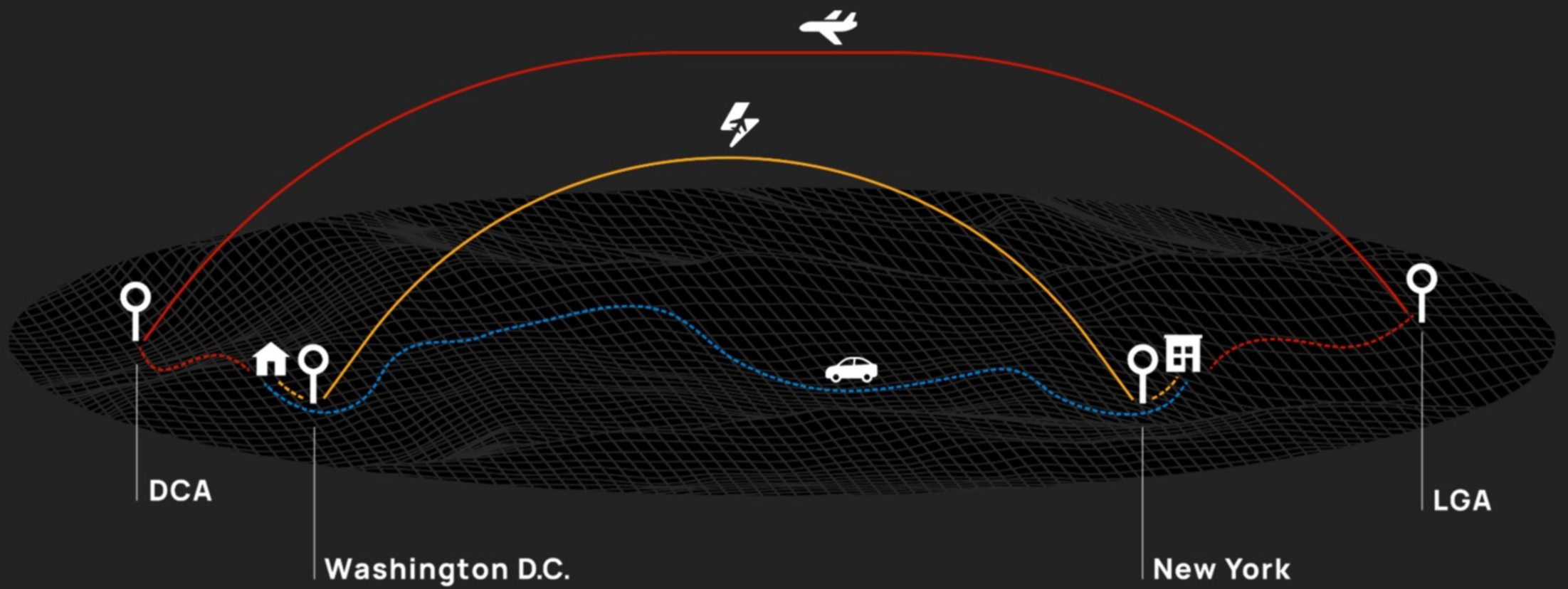
143 OD pairs	**501K** Daily addressable trips
~27K Daily EL9 trips	**~500** EL9s needed

All routes and values shown assume >1k pax per route and >1h average rush-hour time savings.

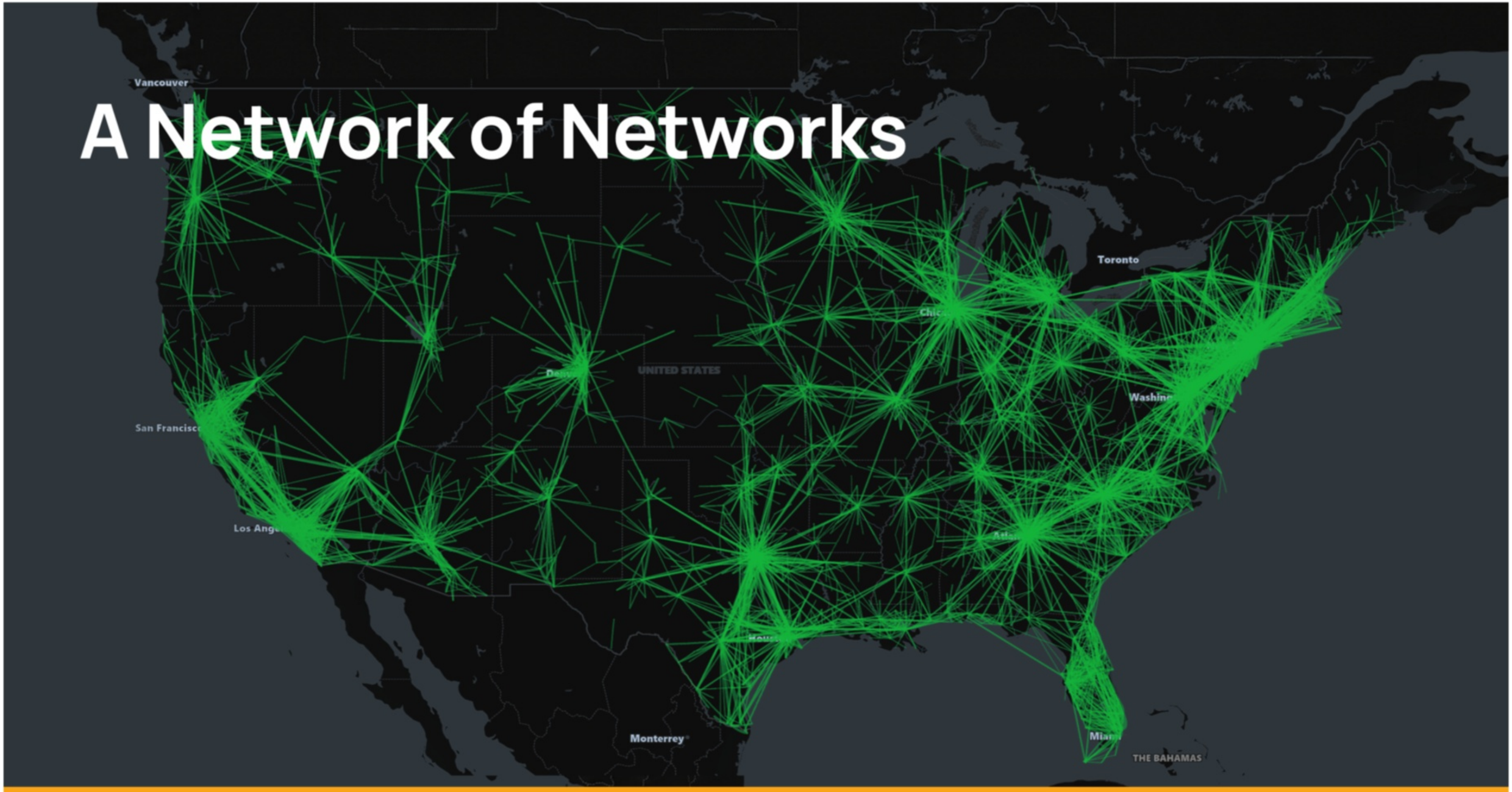
INTERCITY JOURNEY

The DMV to NYC

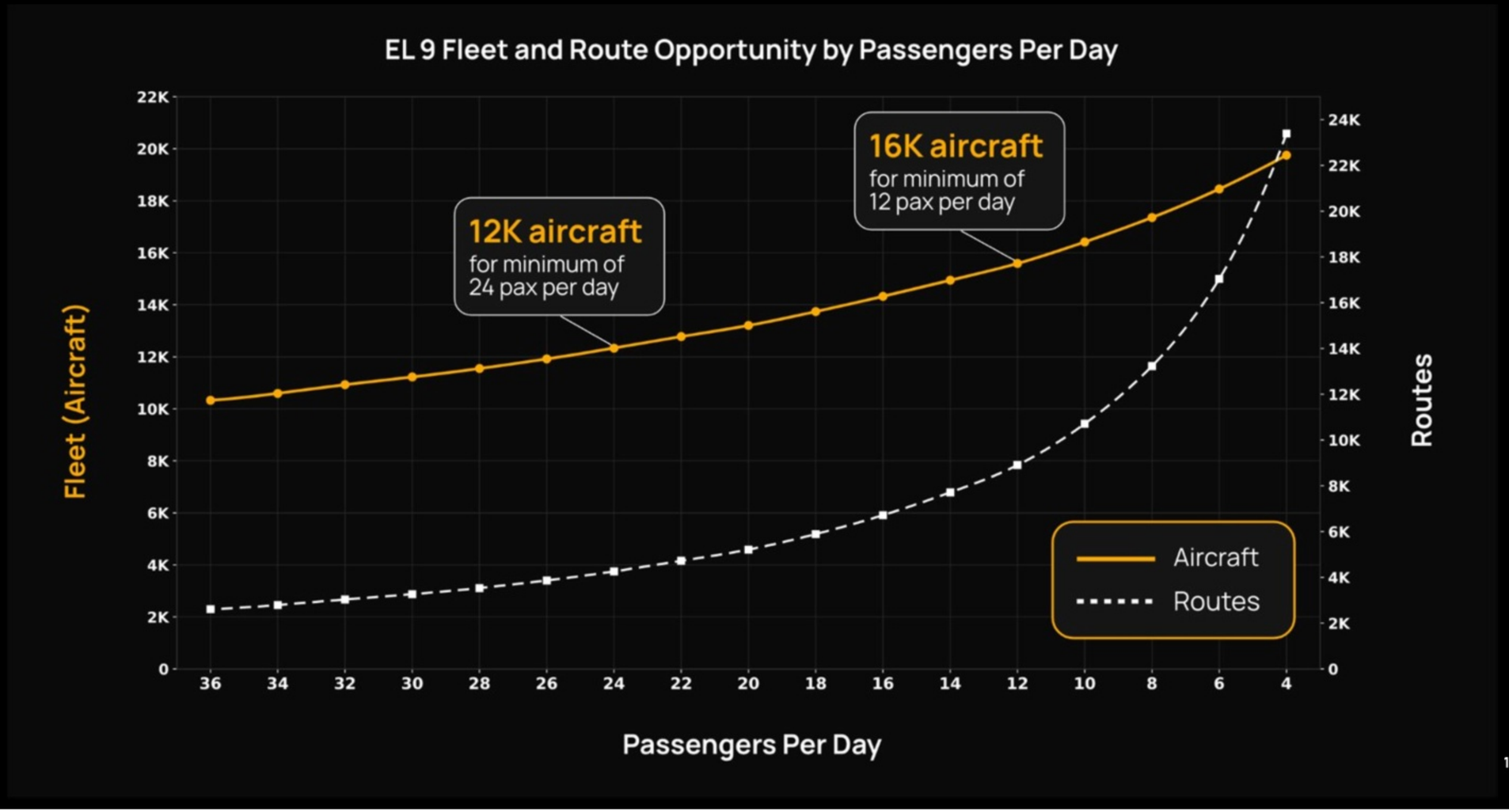
4H 30M	4H 00M	1H 45M
By Car	Commercial Flight	SAVE 2h 15m



A Network of Networks



12K–16K Aircraft Required for 2030–2040
Direct Aviation Market



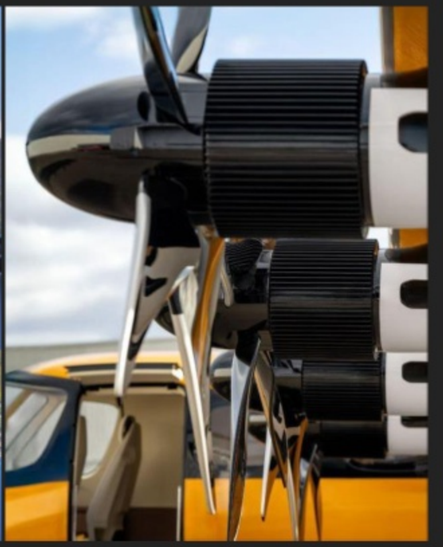
Regional Mobility Reimagined

Hybrid-electric propulsion has unlocked transformative capabilities that piston and turbine technologies could never achieve. This era, by reshaping how we use the skies, will **redefine how people and goods move across the United States and around the world.**

Regional mobility will be transformed.

Direct Aviation — regional air travel that meets you where you are — will be the first application.

A New Era Requires a New Ecosystem



AIRCRAFT | AAM GUIDELINES | ACCESS POINTS | PARTNERS | SUPPLIERS

The Bottom Line

Too Far to Drive. Too Close to Fly.
Regional trips fall within the 50–250 miles range, where current transportation options are either too slow (passenger vehicles) or too inconvenient (traditional air travel).

Hours Lost.
Current options leave travelers spending multiple hours stuck in transit, time that Direct Aviation could reclaim and put to more productive use.

This Isn't What We Were Promised.
Whether in a plane, train, or automobile, the regional travel experience leaves much to be desired.

Demand Backed by Spending Power.
Many of these routes are in areas where travelers are willing to pay the cost of business-class airfare if it means time and hassle savings.

Hybrid-Electric, Today, Is the Only Practical, Cost-Effective Way to Scale AAM Regionally.
Opens up new mesh networks and has the range, access, and payload to make the trip, Advanced mobility solutions offer a better way.


US Outlook
GLOBAL POSSIBILITIES